

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

AMENDED CLAIMS

Claim 1. (original) A construction module comprising, in combination:

a top panel having an outer surface, an inner surface, and top panel peripheral wall members defining a top cavity therebetween, said top panel having a first plurality of thin sheet laminate layers bonded together for forming said top panel peripheral wall members;

a bottom panel having an outer surface, an inner surface, and bottom panel peripheral wall members defining a bottom cavity therebetween, said bottom panel having a second plurality of thin sheet laminate layers bonded together for forming said bottom panel peripheral wall members;

an intermediate panel having an upper surface, a lower surface, and intermediate panel peripheral wall members, and said intermediate panel having a third plurality of thin sheet laminate layers bonded together for forming said intermediate panel peripheral wall members, and said intermediate panel having a decorative layer on said upper surface thereof in regions aligned with said cavity in said top panel and a decorative layer on said lower surface thereof in regions aligned with said cavity in said bottom panel, and said inner surface of said top panel bonded to said upper surface of said intermediate panel and said inner surface of said bottom panel bonded to said lower surface of said intermediate panel.

Claim 2. (original) The arrangement defined in Claim 1 wherein:

said top panel peripheral wall members are substantially aligned with said bottom panel peripheral wall members.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Claim 3. (original) The arrangement defined in Claim 2 wherein:

said peripheral wall members of said intermediate panel are substantially aligned with said top panel peripheral walls and said bottom panel peripheral walls.

Claim 4. (original) A construction module comprising, in combination:

a top panel having an outer surface, an inner surface, and top panel peripheral wall members defining a top cavity therebetween, said top panel having a first plurality of thin sheet laminate layers bonded together for forming said top panel peripheral wall members;

a bottom panel having an outer surface, an inner surface, and bottom panel peripheral wall members defining a bottom cavity therebetween, said bottom panel having a second plurality of thin sheet laminate layers bonded together for forming said bottom panel peripheral wall members;

an intermediate panel having an upper surface, a lower surface, and intermediate panel peripheral wall members defining an intermediate cavity therebetween, and said intermediate panel having a third plurality of thin sheet laminate layers bonded together for forming said intermediate panel peripheral wall members;

said top cavity, said bottom cavity and said intermediate cavity in an aligned relationship;

a transparent member mounted in at least one of said top cavity, said bottom cavity and said intermediate cavity.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Claim 5. (original) An improved construction module comprising, in combination:

a top panel having an outer surface, an inner surface, said top panel having a first plurality of thin sheet laminate layers bonded together for forming said top panel;
a bottom panel having an outer surface, an inner surface, said bottom panel having a second plurality of thin sheet laminate layers bonded together for forming said bottom panel;
an intermediate panel having an upper surface, a lower surface, and intermediate panel peripheral wall members defining an intermediate panel cavity therebetween, and said intermediate panel having a transverse member extending across said cavity between said peripheral wall members, and said intermediate panel having a third plurality of thin sheet laminate layers bonded together for forming said intermediate panel peripheral wall members.

Claim 6. (currently amended) The arrangement defined in Claim 5 and further comprising:

a decorative veneer layer on said outer surface of said top panel.

Claim 7: (original) The arrangement defined in Claim 5 and further comprising:

a decorative veneer layer on said outer surface of said bottom panel.

Claim 8. (original) The arrangement defined in Claim 5 and further comprising:

a decorative veneer layer on said outer surface of said top panel; and

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

a decorative veneer layer on said outer surface of said bottom panel.

Claim 9. (original) The arrangement defined in Claim 5 wherein:

said inner surface of said top panel is bonded to said upper surface of said intermediate panel; and,

said inner surface of said bottom panel is bonded to said lower surface of said intermediate panel.

Claim 10. (original) The arrangement defined in Claim 5 wherein:

the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said second plurality of thin sheet laminate layers in said bottom panel.

Claim 11. (original) The arrangement defined in Claim 5 wherein:

the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said third plurality of thin sheet laminate layers in said intermediate panel.

Claim 12. (original) The arrangement defined in Claim 5 wherein:

the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said second plurality of thin sheet laminate layers in said bottom panel, and the

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

number of said third plurality of thin sheet laminate layers in said intermediate panel is the same as the number of said first plurality of thin sheet laminate layers in said top panel.

Claim 13. (original) The arrangement defined in Claim 12 wherein:

said inner surface of said top panel is bonded to said upper surface of said intermediate

panel; and,

said inner surface of said bottom panel is bonded to said lower surface of said intermediate panel.

Claim 14. (original) The arrangement defined in Claim 13 and further comprising a decorative veneer layer on said outer surface of said top panel.

Claim 15. (original) The arrangement defined in Claim 13 and further comprising : a decorative veneer layer on said outer surface of said bottom panel.

Claim 16. (original) The arrangement defined in Claim 13 and further comprising : a decorative veneer layer on said outer surface of said top panel; and, a decorative veneer layer on said outer surface of said bottom panel.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Claim 17. (original) The arrangement defined in Claim 1 and further comprising:
a decorative veneer layer on said outer surface of said top panel.

Claim 18. (original) The arrangement defined in Claim 1 and further comprising:
a decorative veneer layer on said outer surface of said bottom panel.

Claim 19. (original) The arrangement defined in Claim 1 and further comprising:
a decorative veneer layer on said outer surface of said top panel; and

decorative veneer layer on said outer surface of said bottom panel.

Claim 20. (original) The arrangement defined in Claim 1 wherein:
the number of said first plurality of thin sheet laminate layers in said top panel is the same
as the number of said second plurality of thin sheet laminate layers in said bottom panel.

Claim 21. (original) The arrangement defined in Claim 1 wherein:
the number of said first plurality of thin sheet laminate layers in said top panel is the same
as the number of said third plurality of thin sheet laminate layers in said intermediate panel.

Claim 22. (original) The arrangement defined in Claim 1 and further comprising:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said second plurality of thin sheet laminate layers in said bottom panel, and the number of said third plurality of thin sheet laminate layers in said intermediate panel is the same as the number of said first plurality of thin sheet laminate layers in said top panel.

Claim 23. (original) The arrangement defined in Claim 4 wherein:
said transparent member is glass.

Claim 24. (original) The arrangement defined in Claim 4 and further comprising:
a decorative veneer layer on said outer surface of said top panel.

Claim 25. (original) The arrangement defined in Claim 4 and further comprising:
a decorative veneer layer on said outer surface of said bottom panel.

Claim 26. (original) The arrangement defined in Claim 4 and further comprising:
a decorative veneer layer on said outer surface of said top panel; and
a decorative veneer layer on said outer surface of said bottom panel.

Claim 27. (original) The arrangement defined in Claim 4 wherein:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

said inner surface of said top panel is bonded to said upper surface of said intermediate panel.

Claim 28. (original) The arrangement defined in Claim 4 wherein:
said inner surface of said bottom panel is bonded to said lower surface of said intermediate panel.

Claim 29. (original) The arrangement defined in Claim 4 wherein:
the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said second plurality of thin sheet laminate layers in said bottom panel.

Claim 30. (original) The arrangement defined in Claim 4 wherein:
the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said third plurality of thin sheet laminate layers in said intermediate panel.

Claim 31. (original) The arrangement defined in Claim 4 wherein:
said inner surface of said top panel is bonded to said upper surface of said intermediate panel; and,

said inner surface of said bottom panel is bonded to said lower surface of said intermediate panel.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Claim 32. (original) An improved construction module comprising, in combination:

a top panel having an outer surface, an inner surface, said top panel having a first plurality of thin sheet laminate layers bonded together for forming said top panel;

a bottom panel having an outer surface, an inner surface, said bottom panel having a second plurality of thin sheet laminate layers bonded together for forming said bottom panel;

an intermediate panel having an upper surface, a lower surface, and intermediate panel peripheral wall members defining an intermediate panel cavity therebetween, and said intermediate panel having a third plurality of thin sheet laminate layers bonded together for forming said intermediate panel peripheral wall members.

Claim [[32]] 33. (currently amended) The arrangement defined in Claim [[31]] 32 and further comprising:

a decorative veneer layer on said outer surface of said top panel.

Claim [[33]] 34. (currently amended) The arrangement defined in Claim [[31]] 32 and further comprising:

a decorative veneer layer on said outer surface of said bottom panel.

Claim [[34]] 35. (currently amended) The arrangement defined in Claim[[31]] 32 and further comprising:

a decorative veneer layer on said outer surface of said top panel; and

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

a decorative veneer layer on said outer surface of said bottom panel.

Claim ~~[[35]]~~ 36. (currently amended) The arrangement defined in Claim ~~[[31]]~~ 32 wherein:

said inner surface of said top panel is bonded to said upper surface of said intermediate panel.

Claim ~~[[36]]~~ 37. (currently amended) The arrangement defined in Claim ~~[[31]]~~ 32 wherein:

said inner surface of said bottom panel is bonded to said lower surface of said intermediate panel.

Claim ~~[[37]]~~ 38. (currently amended) The arrangement defined in Claim ~~[[31]]~~ 32 wherein:

said inner surface of said top panel is bonded to said upper surface of said intermediate panel; and,

said inner surface of said bottom panel is bonded to said lower surface of said intermediate panel.

Claim ~~[[38]]~~ 39. (currently amended) The arrangement defined in Claim ~~[[31]]~~ 32

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

wherein:

the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said second plurality of thin sheet laminate layers in said bottom panel.

Claim ~~[[39]]~~ 40. (currently amended) The arrangement defined in Claim ~~[[31]]~~ 32

wherein:

the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said third plurality of thin sheet laminate layers in said intermediate panel.

Claim ~~[[40]]~~ 41. (currently amended) The arrangement defined in Claim ~~[[31]]~~ 32 and further comprising:

the number of said first plurality of thin sheet laminate layers in said top panel is the same as the number of said second plurality of thin sheet laminate layers in said bottom panel, and the number of said third plurality of thin sheet laminate layers in said intermediate panel is the same as the number of said first plurality of thin sheet laminate layers in said top panel.

Claim ~~[[41]]~~ 42. (currently amended) A method of fabricating a construction module comprising the steps of:

assembling together a first plurality of thin sheet layers to form a top panel and applying a heat reactive adhesive between said first plurality of thin sheet layers;

assembling together a second plurality of thin sheet layers to form a bottom panel and

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

applying a heat reactive adhesive between said second plurality of thin sheet layers;[[;]]

assembling together a third plurality of thin sheet layers to form an intermediate panel

applying a heat reactive adhesive between said third plurality of thin sheet layers;[[;]]

placing said intermediate panel between said top panel and said bottom panel in an aligned position;

placing said aligned top, intermediate and bottom panels in a heated press to bond together said first plurality of thin sheet layers, and to bind together said second plurality of thin sheet layers and to bond together said third plurality of thin sheet layers;

removing said top panel, said intermediate panel and said bottom panel from said heated press;

separating said top panel from said intermediate panel and separating said bottom panel from said intermediate panel;

removing a first preselected portion of said intermediate panel to define a first cavity portion extending therethrough bounded by peripheral walls;

applying a heat reactive adhesive between an inner surface of said top panel and an upper surface of said intermediate panel;

applying a heat reactive adhesive between an inner surface of said bottom panel and a lower surface of said intermediate panel;

placing said top panel, said intermediate panel and said bottom panel in a heated press to bond together said top panel said intermediate panel and said bottom panel to form said construction module; and,

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

removing said construction module from said heated press.

Claim [[42]] 43. (currently amended) The method defined in claim 42 further comprising the steps of:

trimming each of said top panel, said intermediate panel and said bottom panel to substantially the same peripheral contours.

Claim [[43]] 44. (currently amended) A method of fabricating a construction module comprising the steps of:

assembling together a first plurality of thin sheet layers to form a top panel and applying a heat reactive adhesive between said first plurality of thin sheet layers;

assembling together a second plurality of thin sheet layers to form a bottom panel and applying a heat reactive adhesive between said second plurality of thin sheet layers;[[;]]

assembling together a third plurality of thin sheet layers to form an intermediate panel applying a heat reactive adhesive between said third plurality of thin sheet layers;[[;]]

placing said intermediate panel between said top panel and said bottom panel in an aligned position;

placing said aligned top panel, said intermediate panel and said bottom panel in a heated press to bond together said first plurality of thin sheet layers, and to bind together said second plurality of thin sheet layers and to bond together said third plurality of thin sheet layers;

removing said top panel, said intermediate panel and said bottom panel from said heated press;

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

separating said top panel from said intermediate panel and separating said bottom panel from said intermediate panel;

removing a first preselected portion of said intermediate panel to define a first cavity portion extending therethrough bounded by peripheral walls;

removing a second preselected portion of said intermediate panel to define a second cavity portion therethrough and defining a transverse member extending between two of said peripheral walls of said intermediate panel;

applying a heat reactive adhesive between an inner surface of said top panel and an upper surface of said intermediate panel;

applying a heat reactive adhesive between an inner surface of said bottom panel and a lower surface of said intermediate panel;

placing said top panel, said intermediate panel and said bottom panel in a heated press to bond together said top panel said intermediate panel and said bottom panel to form said construction module; and,

removing said construction module from said heated press.

Claim ~~[[44]]~~ 45. (currently amended) The method defined in claim ~~[[43]]~~ 44 wherein said step of assembling together a first plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said top panel.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Claim [[45]] 46. (currently amended) The method defined in claim [[43]] 44 wherein said step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said bottom panel.

Claim [[46]] 47 (currently amended) The method defined in claim [[43]] 44 wherein said step of assembling together a first plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said top panel; and,

the step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said bottom panel.

Claim 48. (currently amended) The method defined in claim [[44]] wherein said step of assembling together said second plurality of thin sheet layers further comprises the step of selecting the number of said second plurality of thin sheet layers to be the same as said the number of said first plurality of thin sheet layers; and said step of assembling together said third plurality of thin sheet layers further comprises the step of selecting the number of said third plurality of thin sheet layers to be the same as the number of said first plurality of thin sheet layers.

Claim 49. (currently amended) A method of fabricating a construction module comprising the steps of:

assembling together a first plurality of thin sheet layers to form a top panel and applying a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

heat reactive adhesive between said first plurality of thin sheet layers;

assembling together a second plurality of thin sheet layers to form a bottom panel and
applying a heat reactive adhesive between said second plurality of thin sheet layers;[[;]]

assembling together a third plurality of thin sheet layers to form an intermediate panel
applying a heat reactive adhesive between said third plurality of thin sheet layers;[[;]]
placing said intermediate panel between said top panel and said bottom panel in an
aligned position;

placing said aligned top panel, said intermediate panel and said bottom panel in a heated
press to bond together said first plurality of thin sheet layers, and to bind together said second
plurality of thin sheet layers and to bond together said third plurality of thin sheet layers;

removing said top panel, said intermediate panel and said bottom panel from said heated
press;

separating said top panel from said intermediate panel and separating said bottom panel
from said intermediate panel;

removing a first preselected portion of said top panel to define a first top panel cavity
portion extending therethrough bounded by peripheral walls of said top cavity;

removing a first preselected portion of said bottom panel to define a first bottom panel
cavity portion extending therethrough bounded by peripheral walls of said bottom panel;

removing a first preselected portion of said intermediate panel to define a first
intermediate cavity portion extending therethrough bounded by peripheral walls of said
intermediate cavity;

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

applying a heat reactive adhesive between an inner surface of said top panel and an upper surface of said intermediate panel;

applying a heat reactive adhesive between an inner surface of said bottom panel and a lower surface of said intermediate panel;

aligning said first top cavity portion of said top panel with said first intermediate cavity portion and said first bottom cavity portion of said bottom portion;

placing said aligned top panel, said intermediate panel and said bottom panel in a heated press to bond together said top panel said intermediate panel and said bottom panel to form said construction module; and,

removing said construction module from said heated press.

Claim 50. (original) The method defined in Claim 49 further comprising the step of: placing a transparent member in said aligned first cavity portion of said top panel, said first cavity portion of said intermediate panel and said first panel portion of said bottom panel.

Claim 51. (original) The method defined in claim 49 wherein said step of assembling together a first plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said top panel.

Claim 52. (original) The method defined in claim 49 wherein said step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

layer to an outer surface of said bottom panel.

Claim 53. (currently amended) The method defined in claim 49 wherein said step of assembling together a first plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said top panel; and,

the step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said bottom panel.

Claim 54. (currently amended) The method defined in claim ~~[[49]]~~ 50 wherein said step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said bottom panel.

Claim 55. (currently amended) The method defined in claim ~~[[49]]~~ 50 wherein said step of assembling together a first plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said top panel; and,

the step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said bottom panel.

Claim 56. The method defined in claim 49 wherein said step of assembling together said second plurality of thin sheet layers further comprises the step of selecting the number of said second plurality of thin sheet layers to be the same as said the number of said first plurality

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

of thin sheet layers; and said step of assembling together said third plurality of thin sheet layers further comprises the step of selecting the number of said third plurality of thin sheet layers to be the same as the number of said first plurality of thin sheet layers.

Claim 57. (currently amended) A method of fabricating a construction module comprising the steps of:

assembling together a first plurality of thin sheet layers to form a top panel and applying a heat reactive adhesive between said first plurality of thin sheet layers;

assembling together a second plurality of thin sheet layers to form a bottom panel and applying a heat reactive adhesive between said second plurality of thin sheet layers;[[;]]

assembling together a third plurality of thin sheet layers to form an intermediate panel applying a heat reactive adhesive between said third plurality of thin sheet layers;[[;]]

placing said intermediate panel between said top panel and said bottom panel in an aligned position;

placing said aligned top panel, said intermediate panel and said bottom panel in a heated press to bond together said first plurality of thin sheet layers, and to bind together said second plurality of thin sheet layers and to bond together said third plurality of thin sheet layers;

removing said top panel, said intermediate panel and said bottom panel from said heated press;

separating said top panel from said intermediate panel and separating said bottom panel from said intermediate panel;

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

removing a first preselected portion of said top panel to define a first cavity portion extending therethrough bounded by peripheral walls;

applying a decorative coating layer on an upper surface of said intermediate panel in preselected portions of said intermediate panel;

aligning said top panel with said intermediate panel to provide said first cavity of said top panel with said decorative coating layer on said intermediate panel;

applying a heat reactive adhesive between an inner surface of said top panel and said upper surface of said intermediate panel;

applying a heat reactive adhesive between an inner surface of said bottom panel and a lower surface of said intermediate panel;

placing said top panel, said intermediate panel and said bottom panel in a heated press to bond together said top panel said intermediate panel and said bottom panel to form said construction module; and,

removing said construction module from said heated press.

Claim [[57]] 58, [[,]] (currently amended) The method defined in claim [[41]] 57 further comprising the steps of:

trimming each of said top panel, said intermediate panel and said bottom panel to substantially the same peripheral contours.

Claim [[58]] 59. (currently amended) The method defined in claim 57 wherein said

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

step of assembling together said first plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said top panel.

Claim [[59]] 60. (currently amended) The method defined in claim 57 wherein said step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said bottom panel.

Claim [[60]] 61 The method defined in claim 57 wherein said step of assembling together a first plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said top panel; and,

the step of assembling together a second plurality of thin sheet layers further comprises the step of applying a veneer layer to an outer surface of said bottom panel.

Claim [[61]] 62. (currently amended) The method defined in claim 57 wherein said step of assembling together said second plurality of thin sheet layers further comprises the step of selecting the number of said second plurality of thin sheet layers to be the same as said the number of said first plurality of thin sheet layers.

Claim [[62]] 63. (currently amended) The method defined in claim [[43]] 44 wherein said step of assembling together said second plurality of thin sheet layers further comprises the step of selecting the number of said second plurality of thin sheet layers to be the same as said the

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

number of said first plurality of thin sheet layers; and said step of assembling together said third plurality of thin sheet layers further comprises the step of selecting the number of said third plurality of thin sheet layers to be the same as the number of said first plurality of thin sheet layers.